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Sep 5, 2000

DERWENT-ACC-NO: 2000-658504

DERWENT-WEEK: 200064

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TITLE: A lactic acid bacterium having an ability of combining extracellular matrix, preparation of said lactic acid bacterium and a drug preparation containing it

PATENT-ASSIGNEE:

ASSIGNEE

CODE

YAKULT HONSHA KK

HONS

PRIORITY-DATA: 1998JP-0369956 (December 25, 1998)

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PATENT-FAMILY:

PUB-NO

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LANGUAGE

PAGES

MAIN-IPC



JP 2000236873 A

September 5, 2000

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C12N001/21

APPLICATION-DATA:

PUB-NO

APPL-DATE

APPL-NO

DESCRIPTOR

JP2000236873A

January 25, 1999

1999JP-0015375

INT-CL (IPC): A61K 35/74; A61P 29/00; A61P 35/00; C12N 1/21; C12N 15/09; C12R 1/01; C12R 1/01; C12N 15/09; C12N 1/21

ABSTRACTED-PUB-NO: JP2000236873A

BASIC-ABSTRACT:

NOVELTY - A lactic acid bacterium having an ability of combining extracellular matrix in which a fused gene sequence in which a gene encoding a protein containing a signal sequence, a gene of an extracellular matrix-combined protein and a gene encoding an anchor sequence are connected together is introduced.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for a method for the preparation of a lactic acid bacterium having an ability of combining extracellular matrix including:

(a) obtaining a fused gene sequence in which a gene encoding a protein containing a signal sequence, a gene of an extracellular matrix-combined protein and a gene encoding an anchor sequence of 763 protease derived from *Lactococcus lactis* NCD0763 are combined together,

(b) introducing said fused gene sequence to a lactic acid bacterium and a step of culturing the resultant lactic acid bacterium to immobilize the extracellular matrix-combined protein on the microbe body surface, and

(c) a drug preparation containing the above lactic acid bacterium having an ability of combining extracellular matrix as the active component.

USE - The lactic acid bacterium can be used in immunopotentiators such as antitumor agents and anti-inflammatory agents.

CHOSEN-DRAWING: Dwg.0/8

TITLE-TERMS: LACTIC ACID BACTERIUM ABILITY COMBINATION EXTRACELLULAR MATRIX
PREPARATION LACTIC ACID BACTERIUM DRUG PREPARATION CONTAIN

DERWENT-CLASS: B04 D16

CPI-CODES: B04-F1000E; B14-C03; B14-G01; B14-H01; D05-H04; D05-H12C;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M423 M710 M905 N135 P420 P434 P633 Q233
Specific Compounds
A00GTT A00GTN

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-199528

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